

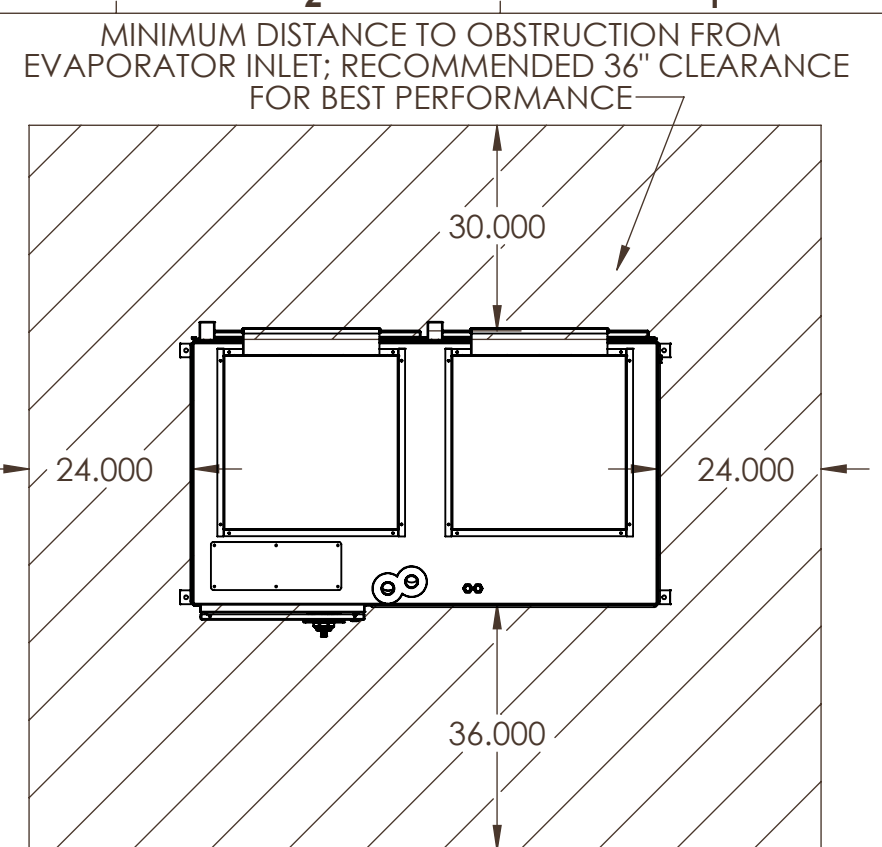
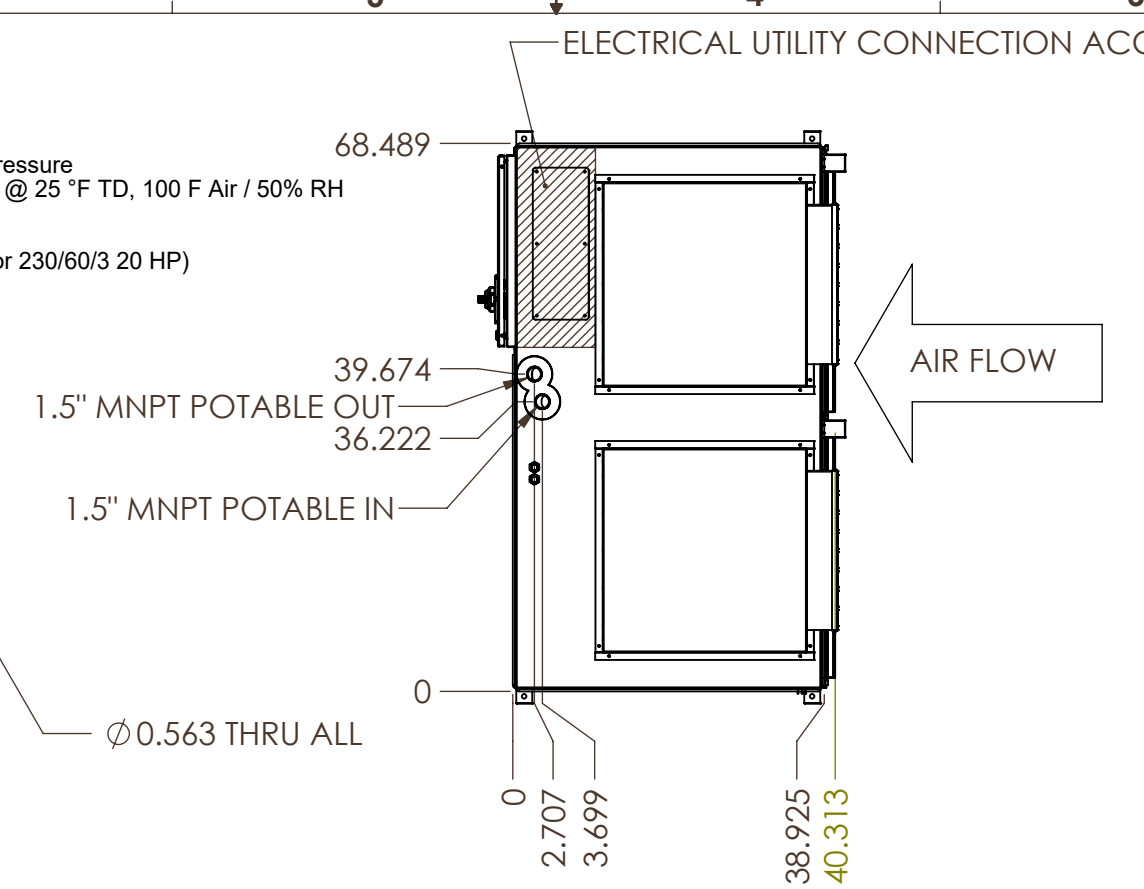
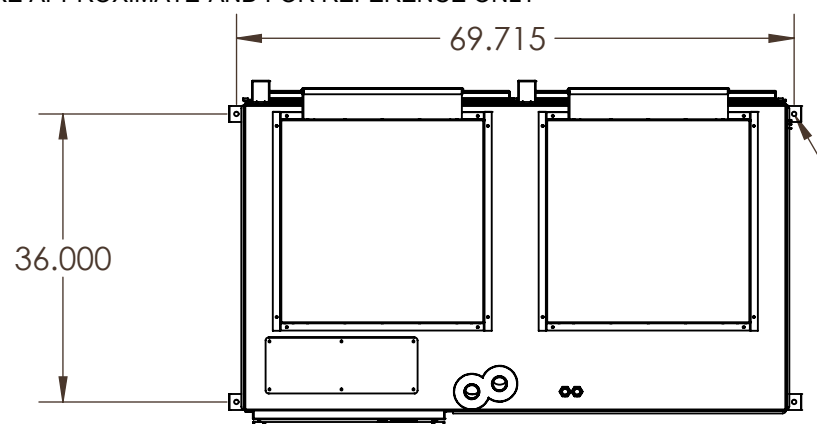
8 7 6 5 4 3 2 1

Unit Specifications:

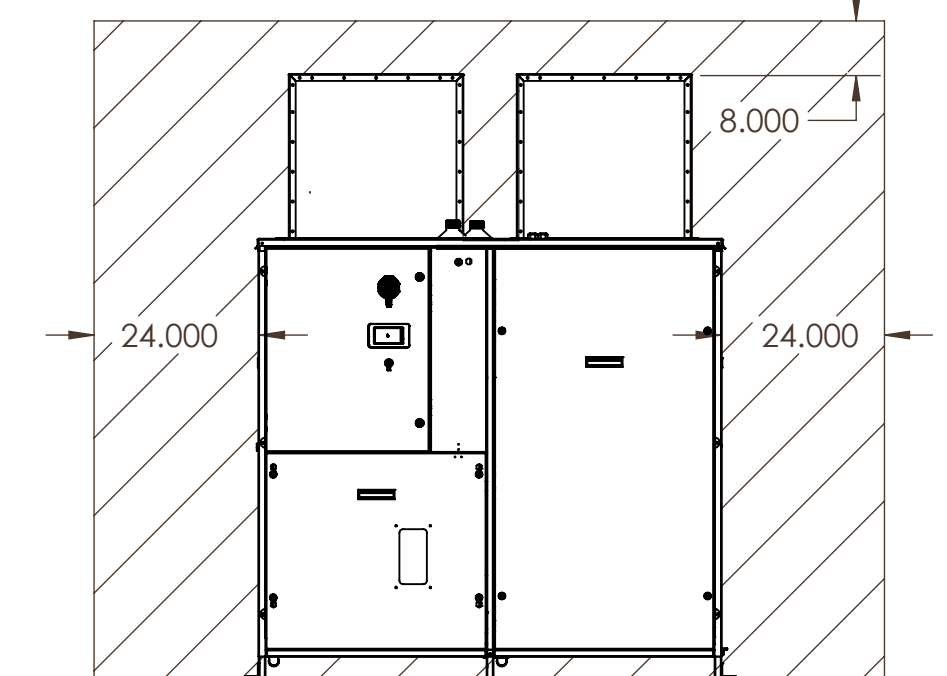
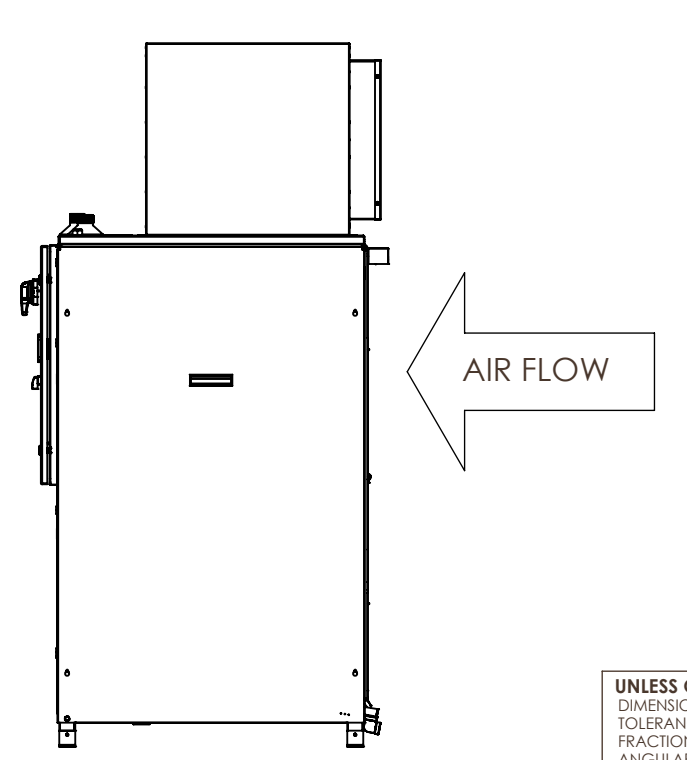
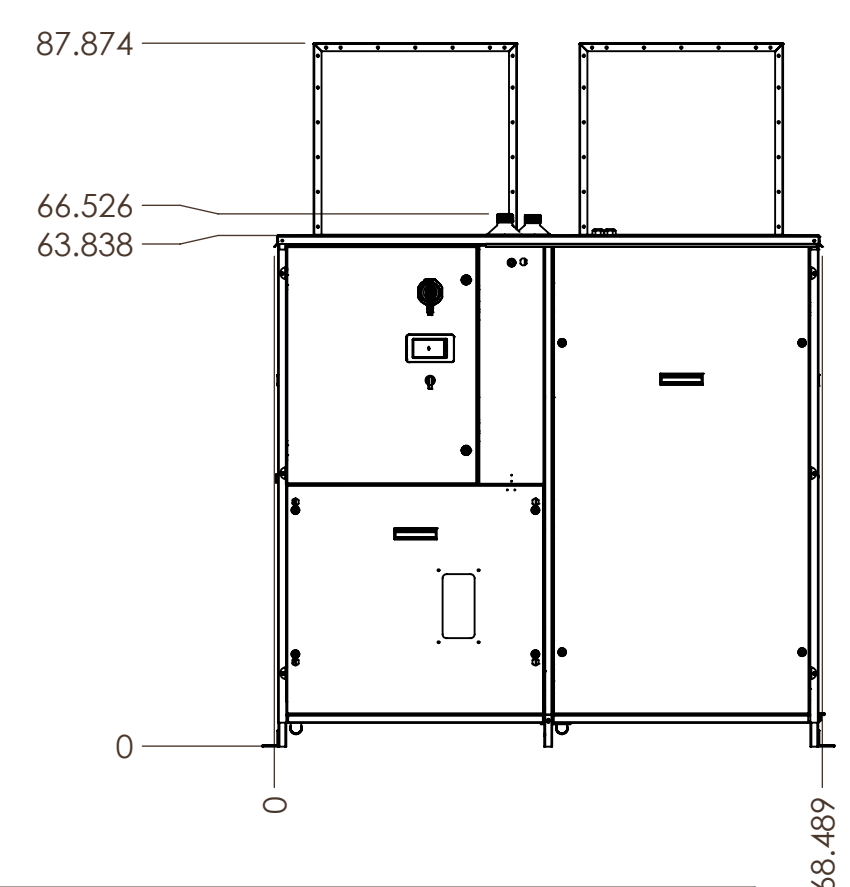
- Compressor: (1) Scroll, Copeland or Equivalent
- Condensers: (1) Copper Brazed with 316L plates
- Evaporators: (2) Aluminum Micro Channel (Electrocoating Optional)
- Potable Water Pump: (1) 1/2 HP SST Volute, Standard, 150 PSI Max Working Pressure
- Design Flow Rate: 21.8 GPM (20 HP), 25.6 GPM (25 HP), 28.9 GPM (30 HP) @ 25 °F TD, 100 F Air / 50% RH
- Max External Head @ Design: 19.2 ft (20 HP), 12.1 ft (25 HP), 5 ft (30 HP)
- Source Air Fan: 4.8 HP Axial ECM, 1600 RPM
- Minimum Required Airflow: 10,000 CFM, 1.5 H2O Available (7,700 CFM @ 1.5 H2O for 230/60/3 20 HP)
- Control: Microprocessor (PLC)
- Frame: 304 SST with Cabinet (316 SST Cabinet Optional)
- Refrigerant Type: 134a, 450 PSI Max Working Pressure
- Refrigerant Charge: 16.5 lbs (20 HP), 19.25 lbs (25 HP), 16.5 lbs (30 HP)
- Dry Weight: 1570 lbs (20 HP), 1690 lbs (25 HP), 1705 lbs (30 HP)
- Crated Weight: 2000 lbs (20 HP), 2120 lbs (25 HP), 2135 lbs (30 HP)
- Crated Dimensions: 51" x 76" x 96" (L x W x H)
- Average Sound Pressure @ 1M: 95 dB(A)

*VALUES ARE APPROXIMATE AND FOR REFERENCE ONLY

F
E
D
C
B
A



RECOMMENDED SERVICE CLEARANCES FOR SINGLE UNIT



F
E
D
C
B
A

12/9/2021

1010CXA-1030

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DRAWN BY		DATE	TITLE: CXA 20-30 SUBMITTAL DRAWING WITH AXIAL FAN	
ENGINEER		DATE	SIZE	DWG. NO.
NEXT ASSY		USED ON	B 1010CXA-1030	
SOLIDWORKS		AUTOCAD	SCALE: 1:24	UNIT WT.
DO NOT SCALE DRAWING		APPLICATIONS		SHEET 2 OF 3

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

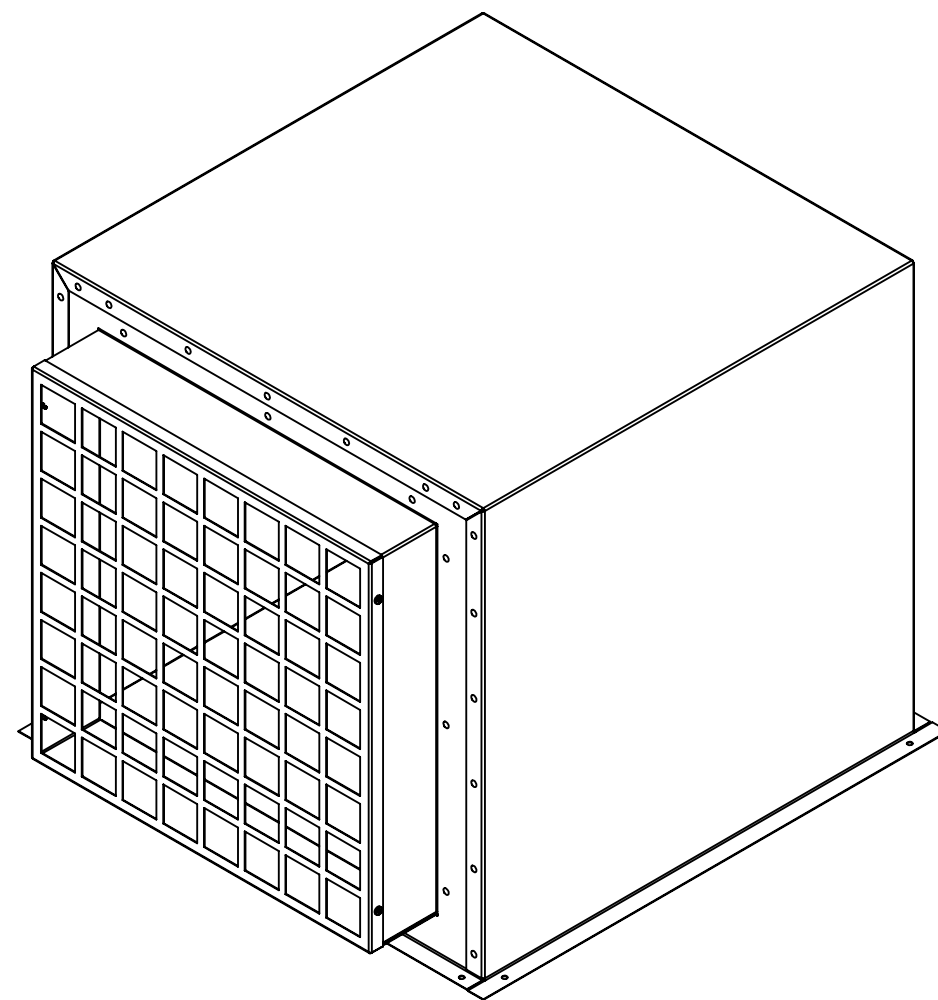
C

B

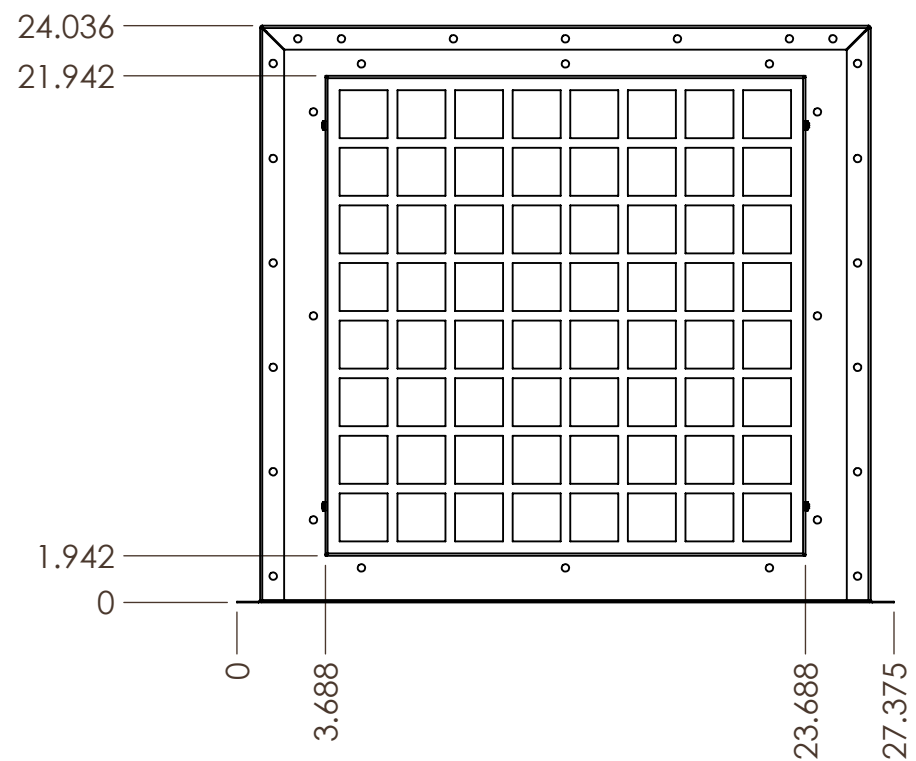
B

A

A



NOTE: PLENUM CAN BE ROTATED 90° TO EXHAUST OUT THE FRONT, BACK, OR SIDE.



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		REV. No.	REV STATUS OF SHEET
		SHT. No.	

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±1/16
ANGULAR: MACH ±1° BEND ±1°
TWO PLACE DECIMAL ±0.03
THREE PLACE DECIMAL ±0.031

CONTRACT NO.	
DRAWN BY	DATE
ENGINEER	DATE
SOLIDWORKS	AUTOCAD
DO NOT SCALE DRAWING	

COLMAC INDUSTRIES 401 N. Lincoln, Colville, Washington 99114 (509)684-4505		
TITLE: ASSY, CXA PLENUM FAN COVER		
SIZE	DWG. NO.	REV
B	1010CXA-1030	
SCALE: 1:12	UNIT WT.	SHEET 3 OF 3

8 7 6 5 4 3 2 1

12/9/2021

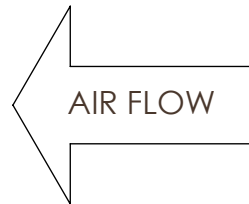
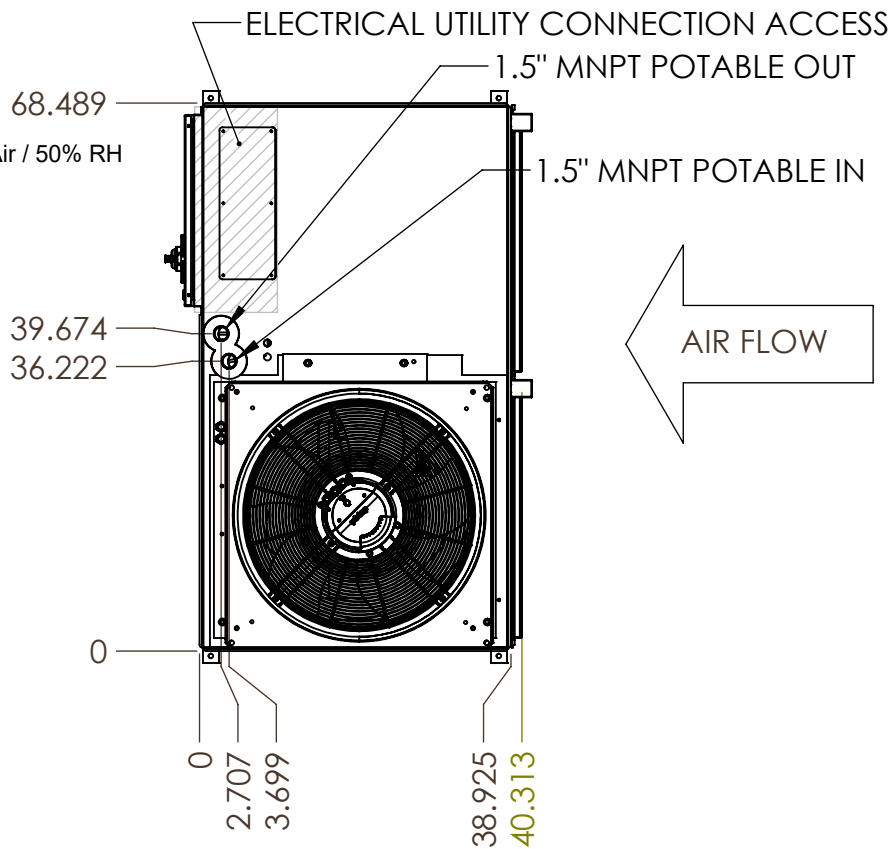
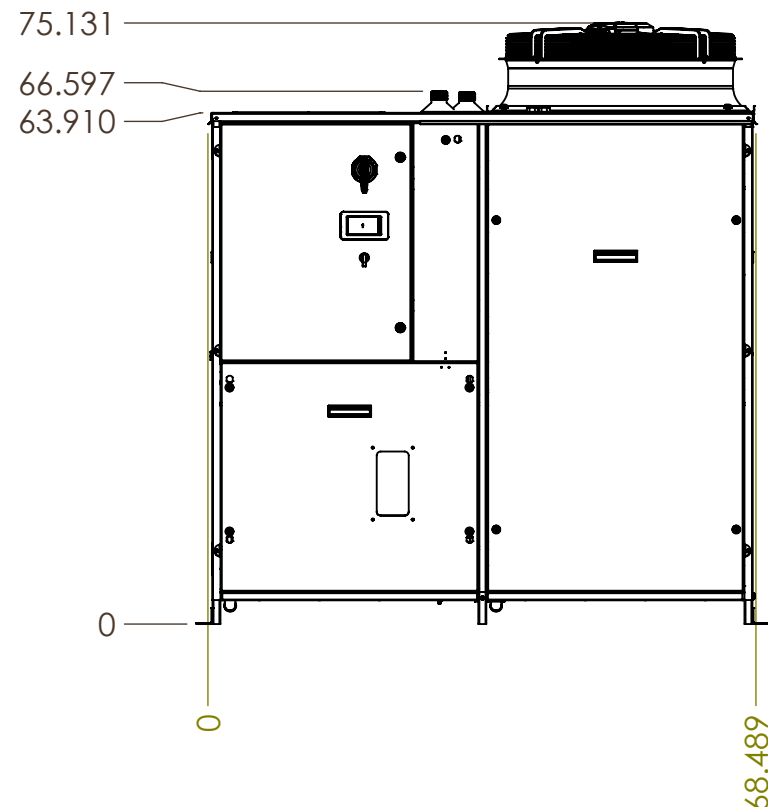
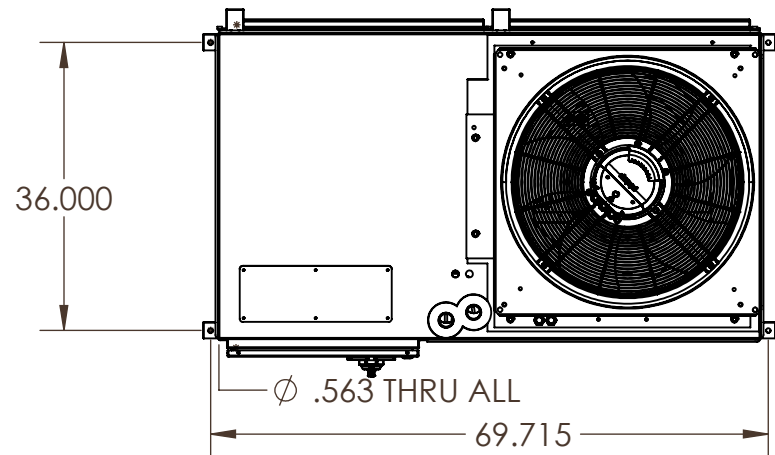
1010CXA-1030

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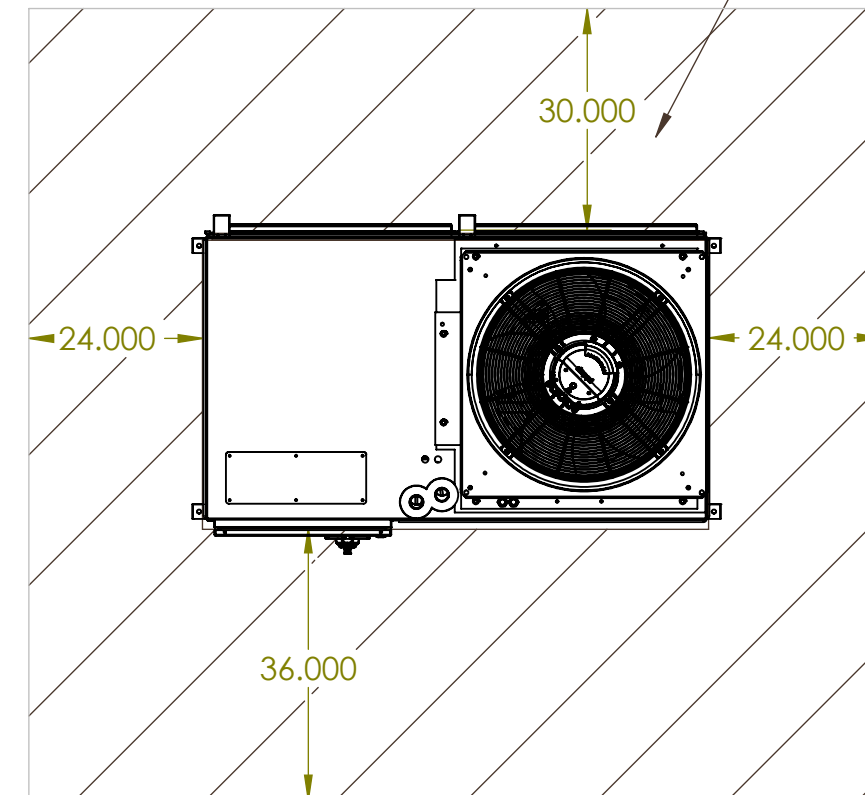
Unit Specifications:

- Compressor: (1) Scroll, Copeland or Equivalent
- Condensers: (1) Copper Brazed with 316L plates
- Evaporators: (2) Aluminum Micro Channel (Electrocoating Optional)
- Potable Water Pump: (1) 1/2 HP SST Volute, Standard, 150 PSI Max Working Pressure
- Design Flow Rate: 21.8 GPM (20 HP), 25.6 GPM (25 HP), 28.9 GPM (30 HP) @ 25 °F TD, 100 F Air / 50% RH
- Max External Head @ Design: 19.2 ft (20 HP), 12.1 ft (25 HP), 5 ft (30 HP)
- Source Air Fan: 5 HP Axial ECM, 1600 RPM
- Minimum Required Airflow: 10,000 CFM, 0.0" H2O Available
- Control: Microprocessor (PLC)
- Frame: 304 SST with Cabinet (316 SST Cabinet Optional)
- Refrigerant Type: 134a, 450 PSI Max Working Pressure
- Refrigerant Charge: 16.5 lbs (20 HP), 19.25 lbs (25 HP), 16.5 lbs (30 HP)
- Dry Weight: 1475 lbs (20 HP), 1585 lbs (25 HP), 1600 lbs (30 HP)
- Crated Weight: 1870 lbs (20 HP), 1980 lbs (25 HP), 2050 lbs (30 HP)
- Crated Dimensions: 51" x 76" x 87" (L x W x H)
- Average Sound Pressure @ 1M: 83 dB(A)

*VALUES ARE APPROXIMATE AND FOR REFERENCE ONLY

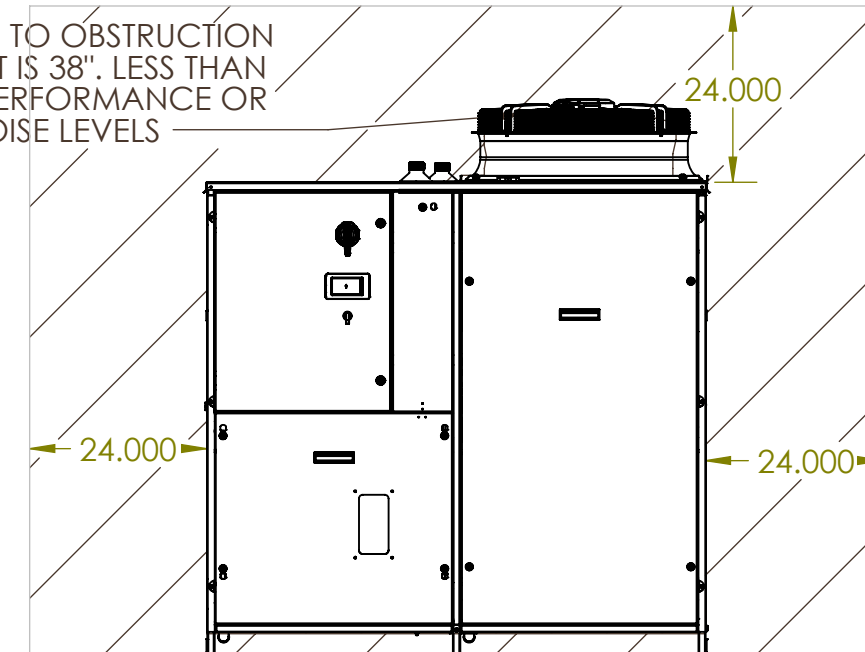
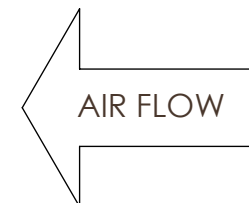


MINIMUM DISTANCE TO OBSTRUCTION FROM EVAPORATOR INLET; RECOMMENDED 36" CLEARANCE FOR BEST PERFORMANCE



RECOMMENDED SERVICE CLEARANCES FOR SINGLE UNIT

MINIMUM DISTANCE TO OBSTRUCTION FROM AXIAL OUTLET IS 38". LESS THAN THIS MAY REDUCE PERFORMANCE OR INCREASE NOISE LEVELS



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REV. No.	REV STATUS
SHT. No.	OF SHEET

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DRAWN BY KLR		DATE	TITLE: CXA 20-30 SUBMITTAL DRAWING WITH AXIAL FAN	
ENGINEER		DATE	SIZE B	DWG. NO. 1010CXA-0030
NEXT ASSY		USED ON	SOLIDWORKS	AUTOCAD
APPLICATIONS		DO NOT SCALE DRAWING		SCALE: 1:24 UNIT WT. SHEET 1 OF 3

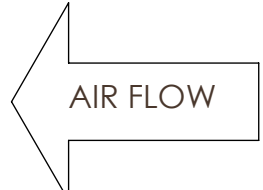
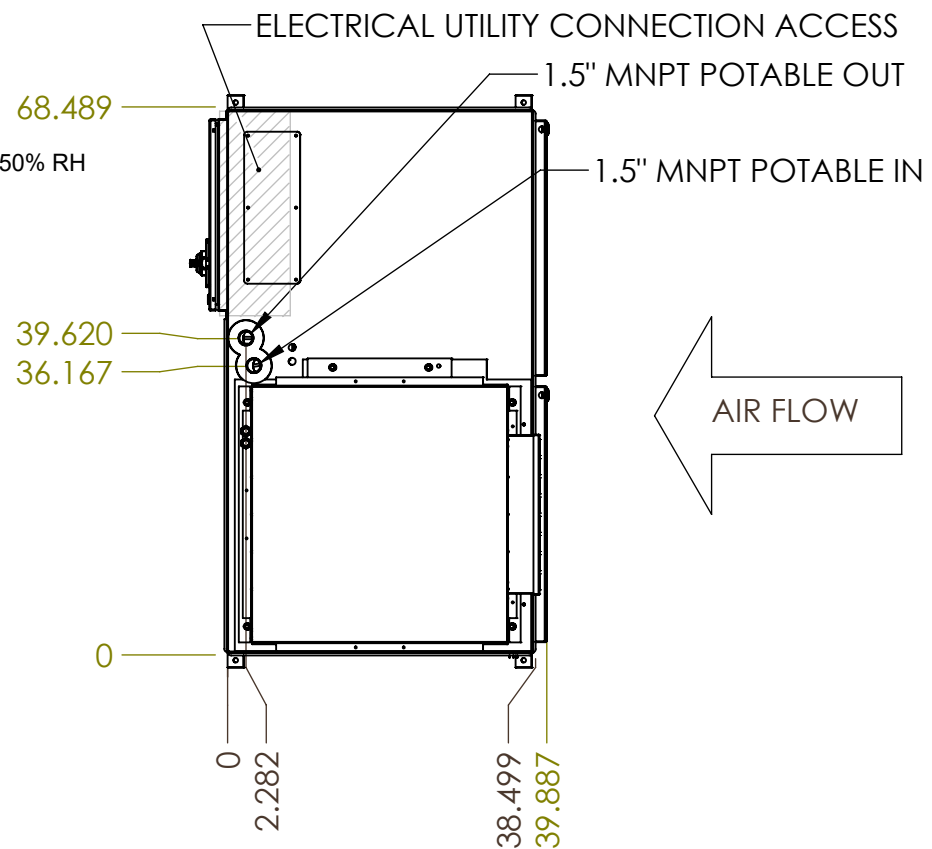
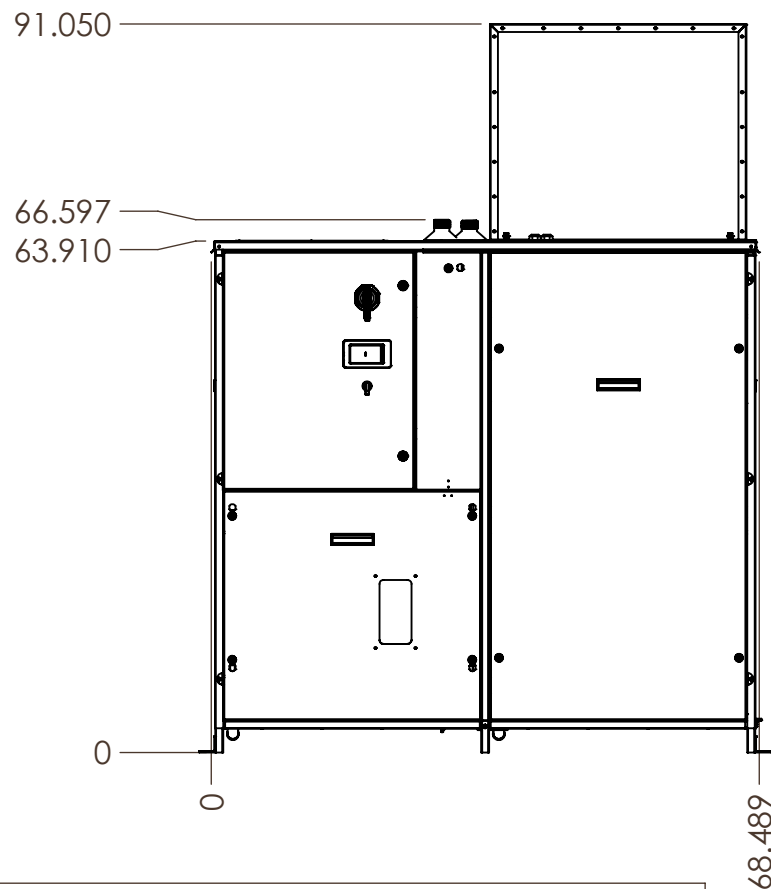
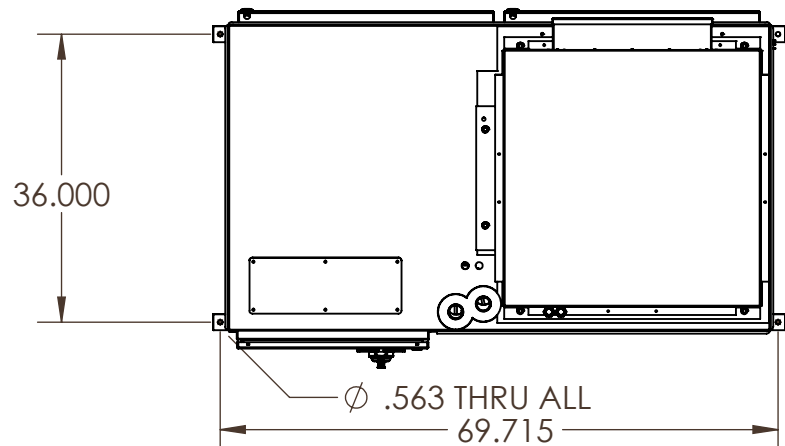
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9/22/2021 1010CXA-0030

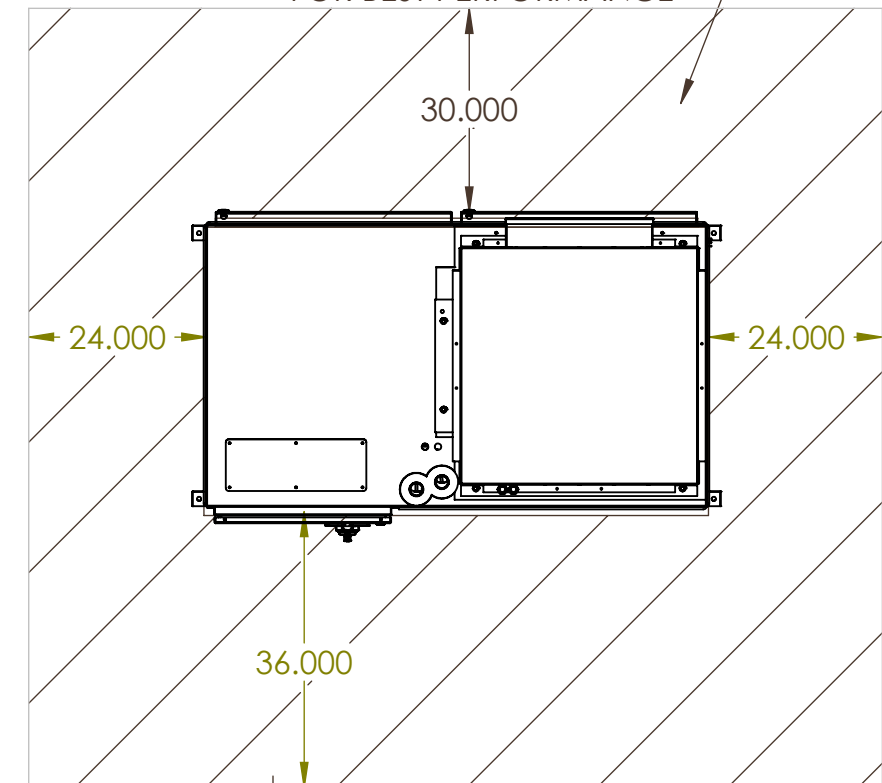
Unit Specifications:

- Compressor: (1) Scroll, Copeland or Equivalent
- Condensers: (1) Copper Brazed with 316L plates
- Evaporators: (2) Aluminum Micro Channel (Electrocoating Optional)
- Potable Water Pump: (1) 1/2 HP SST Volute, Standard, 150 PSI Max Working Pressure
- Design Flow Rate: 21.8 GPM (20 HP), 25.6 GPM (25 HP), 28.9 GPM (30 HP) @ 25 °F TD, 100 F Air / 50% RH
- Max External Head @ Design: 19.2 ft (20 HP), 12.1 ft (25 HP), 5 ft (30 HP)
- Source Air Fan: 4.8 HP Axial ECM, 1600 RPM
- Minimum Required Airflow: 10,000 CFM, 1.5 H2O Available (7,700 CFM @ 1.5 H2O for 230/60/3 20 HP)
- Control: Microprocessor (PLC)
- Frame: 304 SST with Cabinet (316 SST Cabinet Optional)
- Refrigerant Type: 134a, 450 PSI Max Working Pressure
- Refrigerant Charge: 16.5 lbs (20 HP), 19.25 lbs (25 HP), 16.5 lbs (30 HP)
- Dry Weight: 1570 lbs (20 HP), 1690 lbs (25 HP), 1705 lbs (30 HP)
- Crated Weight: 2000 lbs (20 HP), 2120 lbs (25 HP), 2135 lbs (30 HP)
- Crated Dimensions: 51" x 76" x 96" (L x W x H)
- Average Sound Pressure @ 1M: 95 dB(A)

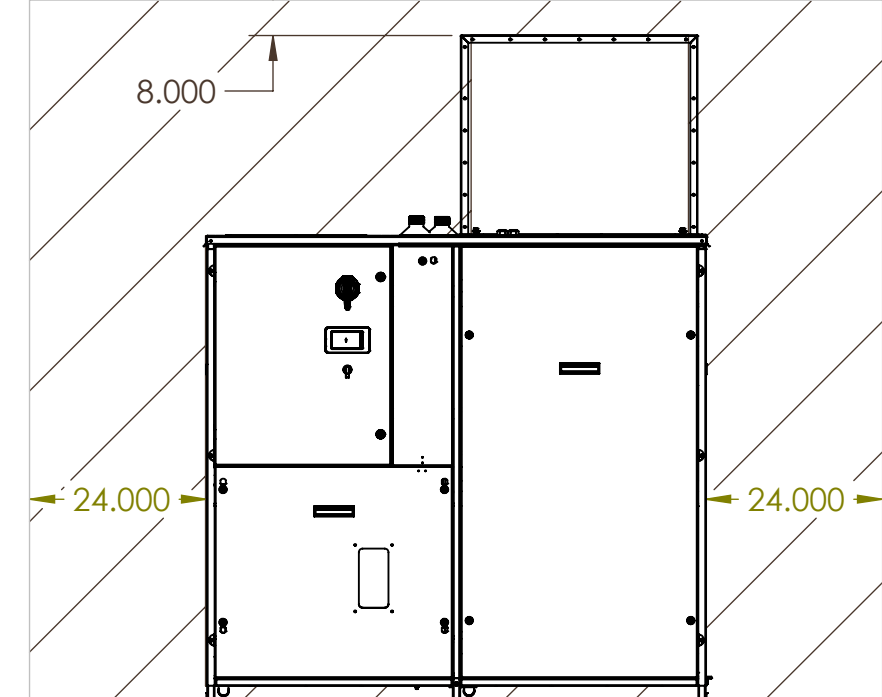
*VALUES ARE APPROXIMATE AND FOR REFERENCE ONLY



MINIMUM DISTANCE TO OBSTRUCTION FROM EVAPORATOR INLET; RECOMMENDED 36" CLEARANCE FOR BEST PERFORMANCE



RECOMMENDED SERVICE CLEARANCES FOR SINGLE UNIT



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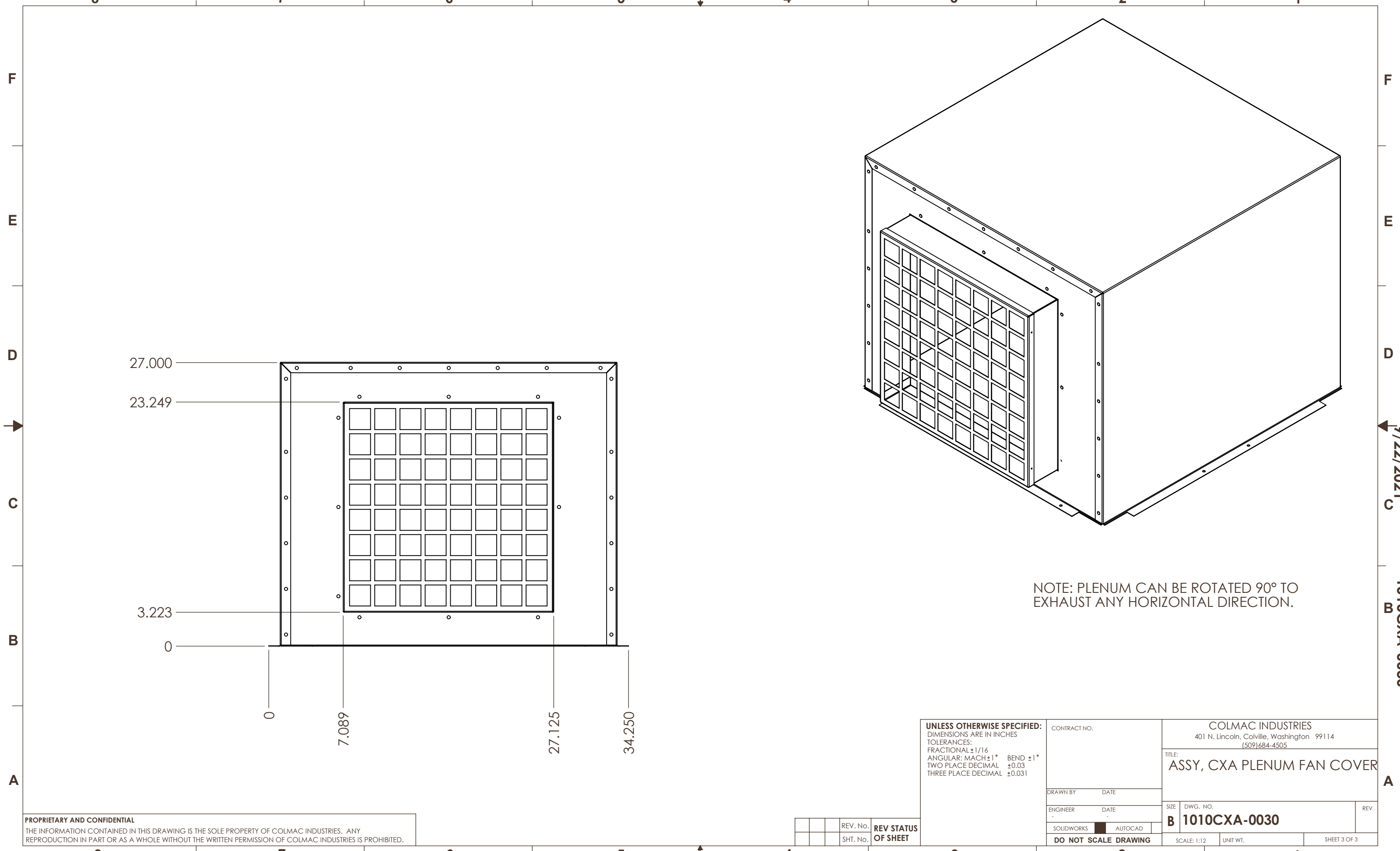
REV. No.	REV STATUS
SHT. No.	OF SHEET

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL: ±1/16
 ANGULAR: MACH ±1° BEND ±1°
 TWO PLACE DECIMAL ±0.03
 THREE PLACE DECIMAL ±0.031

CONTRACT NO.	
DRAWN BY	DATE
ENGINEER	DATE
SOLIDWORKS	AUTOCAD

COLMAC INDUSTRIES 401 N. Lincoln, Colville, Washington 99114 (509)684-4505	
TITLE: CXA 20-30 SUBMITTAL DRAWING WITH CENTRIFUGAL FAN	
SIZE	DWG. NO.
B	1010CXA-0030
SCALE: 1:24	UNIT WT.
SHEET 2 OF 3	

NEXT ASSY	USED ON
APPLICATIONS	



NOTE: PLENUM CAN BE ROTATED 90° TO EXHAUST ANY HORIZONTAL DIRECTION.

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REV. No.	REV STATUS
	OF SHEET
SHT. No.	

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL ±1/16
 ANGULAR: MACH ±1° BEND ±1°
 TWO PLACE DECIMAL ±0.03
 THREE PLACE DECIMAL ±0.031

CONTRACT NO.	
DRAWN BY	DATE
ENGINEER	DATE
SOLIDWORKS	AUTOCAD
DO NOT SCALE DRAWING	

COLMAC INDUSTRIES 401 N. Lincoln, Colville, Washington 99114 (509)684-4505		
TITLE: ASSY, CXA PLENUM FAN COVER		
SIZE	DWG. NO.	REV
B	1010CXA-0030	
SCALE: 1:12	UNIT WT.	SHEET 3 OF 3